Claims

I claim:

- 1. A method of stimulating the production of a petroleum well comprising:

 pumping a first stimulant into the well, wherein said first stimulant comprises

 dipentene; ethoxylated linear alcohol; a solvent comprised of naphtha; a product

 formed from the reaction of alpha olephin with maleic anhydride; and a surfactant.
- 2. A method of stimulating the production of a petroleum well according to claim 1 wherein said dipentene comprises at least about fifteen percent by volume of said first stimulant.
- 3. A method of stimulating the production of a petroleum well according to claim 2 wherein said ethoxylated linear alcohol is a non-ionic surfactant
- 4. A method of stimulating the production of a petroleum well according to claim 3 wherein said ethoxylated linear alcohol comprises at least about thirty percent by volume of said first stimulant.
- 5. A method of stimulating the production of a petroleum well according to claim 4 wherein said ethyl hexanol comprises at least about fifteen percent by volume of said first stimulant.
- 6. A method of stimulating the production of a petroleum well according to claim 5 wherein said solvent further comprises isopropyl benzene, and vinyl acetate.
- 7. A method of stimulating the production of a petroleum well according to claim 6 wherein said solvent comprises at least about ten percent by volume of said first stimulant.
- 8. A method of stimulating the production of a petroleum well according to claim 7 wherein said product of alpha olephin and maleic anhydride comprises at least about ten percent by volume of said first stimulant.

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- 9. A method of stimulating the production of a petroleum well according to claim 1 wherein said surfactant comprises propylene oxide and ethylene block polymers.
- 10. A method of stimulating the production of a petroleum well according to claim 1 further comprising pumping a second stimulant into the well, said second stimulant comprising: a product formed from the reaction of alpha olephin with maleic anhydride; a product formed from the reaction of polyether with maleic anhydride; a product formed from the product of alpha olephin and maleic anhydride further reacted with a long chain alcohol selected from the group comprising RCH₂CH₂CHO and R(CHCH₃)CHO and mixtures thereof; a product formed from the reaction of dodecylbenzene sulfonic acid with a pentene; 2 ethyl hexanol; 4-isopropenyl-1-methylcyclohexane; and a surfactant.

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- 11. A method of stimulating the production of a petroleum well according to claim 10 whereR is a carbon chain with at least twenty carbons.
- 12. A method of stimulating the production of a petroleum well according to claim 10 where said pentene is a dipentene.
- 13. A method of stimulating the production of a petroleum well according to claim 10 wherein said second stimulant further comprises a demulsifier.
- 14. A method of stimulating the production of a petroleum well according to claim 10 further comprising pumping a solvent solution into the well, said solvent solution comprising dipentene and diesel.
- 15. A method of stimulating the production of a petroleum well according to claim 14 wherein said solvent solution comprises about fifty percent by volume dipentene and about fifty percent by volume diesel.

- 16. A method of stimulating the production of a petroleum well according to claim 14 wherein said solvent solution is pumped into the well before said first or said second stimulant is pumped into the well.
- 17. A method of stimulating the production of a petroleum well according to claim 16 wherein a spacer is pumped into the well between said first stimulant and said second stimulant.

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- 18. A method of stimulating the production of a petroleum well according to claim 17 wherein said spacer is diesel.
- 19. A method of stimulating the production of a petroleum well according to claim 10 wherein a spacer is pumped into the well between said first stimulant and said second stimulant.
- 20. A method of stimulating the production of a petroleum well according to claim 1 further comprising pumping a solvent solution into the well, said solvent solution comprising dipentene and diesel.
- 21. A method of stimulating the production of a petroleum well according to claim 20 wherein said solvent solution comprises about fifty percent by volume dipentene and about fifty percent by volume diesel.
- 22. A method of stimulating the production of a petroleum well according to claim 21 wherein said solvent solution is pumped into the well before said first stimulant is pumped into the well.
- 23. A method of stimulating the production of a petroleum well according to claim 20 wherein a spacer is pumped into the well between said first stimulant and said solvent solution.
- 24. A method of stimulating the production of a petroleum well according to claim 23 wherein said spacer is diesel.

- 25. A method of stimulating the production of a petroleum well according to claim 1 wherein said well is heated with steam prior to the introduction of said stimulant.
- 26. A method of stimulating the production of a petroleum well according to claim 1 wherein said well is heated with hot water prior to the introduction of said stimulant.

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- 27. A method of stimulating the production of a petroleum well according to claim 10 wherein the well is in a formation and wherein a displacement fluid selected from the group comprising water and steam is pumped into the well, whereby the first and second stimulant may be forced into the formation.
- 28. A method of stimulating the production of a petroleum well according to claim 27 wherein said well is allowed to cool before returning said well to production.
- 29. A method of stimulating the production of a petroleum well comprising:

 pumping a stimulant into the well, said stimulant comprising:

 a product formed from the reaction of alpha olephin with maleic anhydride; a product formed from the reaction of polyether with maleic anhydride; a product formed from the product of alpha olephin and maleic anhydride further reacted with a long chain alcohol selected from the group comprising RCH₂CH₂CHO and R(CHCH₃)CHO and mixtures thereof; a product formed from the reaction of dodecylbenzene sulfonic acid with a pentene; 2 ethyl hexanol; 4-isopropenyl-1-methylcyclohexane; and a surfactant.
- 30. A method of stimulating the production of a petroleum well according to claim 29 where R is a carbon chain with at least twenty carbons.
- 31. A method of stimulating the production of a petroleum well according to claim 30 where

said pentene is a dipentene.

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- 32. A method of stimulating the production of a petroleum well according to claim 31 wherein said stimulant further comprises a demulsifier.
- A method of stimulating the production of a petroleum well comprising:pumping a stimulant into the well, said stimulant comprising:a product formed from the reaction of dodecylbenzene sulfonic acid with a pentene.
- 34. A method of stimulating the production of a petroleum well according to claim 33 wherein said stimulant further comprises a product formed from the reaction of alpha olephin with maleic anhydride.
- 35. A method of stimulating the production of a petroleum well according to claim 33 wherein said stimulant further comprises a product formed from the reaction of polyether with maleic anhydride
- 36. A method of stimulating the production of a petroleum well according to claim 33 wherein said stimulant further comprises a product formed from the product of alpha olephin and maleic anhydride further reacted with a long chain alcohol selected from the group comprising RCH₂CH₂CHO and R(CHCH₃)CHO and mixtures thereof.
- A method of stimulating the production of a petroleum well according to claim 36 whereR is a carbon chain with at least twenty carbons.
- 38. A method of stimulating the production of a petroleum well according to claim 33 wherein said stimulant further comprises 2 ethyl hexanol.
- 39. A method of stimulating the production of a petroleum well according to claim 33 wherein said stimulant further comprises 4-isopropenyl-1-methylcyclohexane.

- 40. A method of stimulating the production of a petroleum well according to claim 33 wherein said stimulant further comprises a surfactant.
- 41. A method of stimulating the production of a petroleum well according to claim 33 where said pentene is a dipentene.
- 42. A method of stimulating the production of a petroleum well according to claim 33 wherein said stimulant further comprises a demulsifier.